F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 3 IS ASSUMED TO RUN
IN A NORTH–SOUTH DIRECTION

EXISTING SIGNS (TO REMAIN)

24 SOUTH 3 — 22 NORTH 3

17 Waugh Chapel RD

PROPOSED SIGNAL HEADS

1,6	2,3,7,8	4,5,9,10 13,16	11,12,14,15
R Y ◀G	R Y G	R Y G	R Y G ◀G
12"	12"	12"	12"

EXISTING SIGNS (TO BE RELOCATED)

18 Waugh Chapel RD

20 ONLY — 21

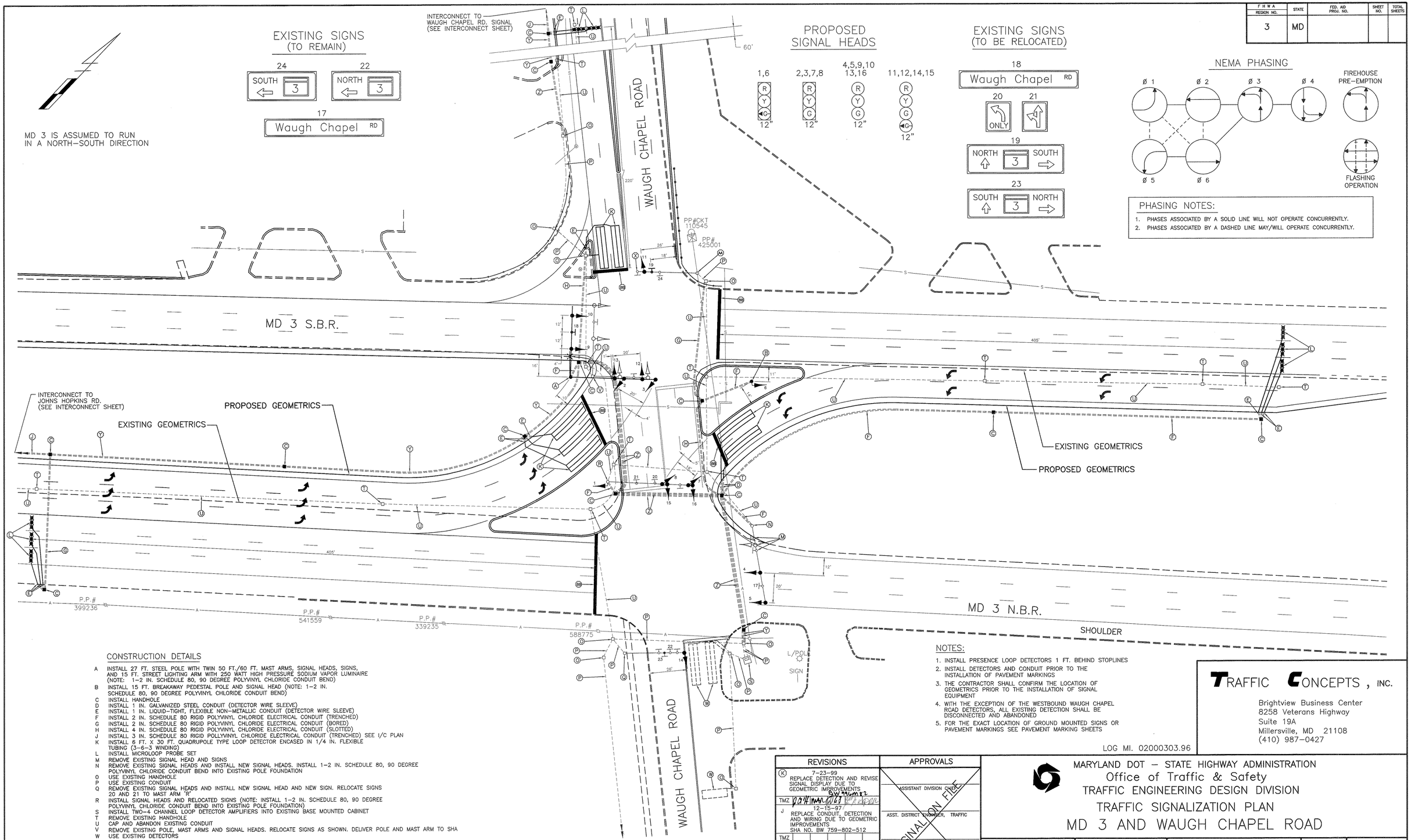
19 NORTH 3 SOUTH

23 SOUTH 3 NORTH

NEMA PHASING

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./60 FT. MAST ARMS, SIGNAL HEADS, SIGNS, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND)
- B INSTALL 15 FT. BREAKAWAY PEDESTAL POLE AND SIGNAL HEAD (NOTE: 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND)
- C INSTALL HANDHOLE
- D INSTALL 1 IN. GALVANIZED STEEL CONDUIT (DETECTOR WIRE SLEEVE)
- E INSTALL 1 IN. LIQUID–TIGHT, FLEXIBLE NON–METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
- F INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- G INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED)
- H INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
- J INSTALL 3 IN. SCHEDULE 80 RIGID POLLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) SEE I/C PLAN
- K INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3–6–3 WINDING)
- L INSTALL MICROLOOP PROBE SET
- M REMOVE EXISTING SIGNAL HEAD AND SIGNS
- N REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS. INSTALL 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND INTO EXISTING POLE FOUNDATION
- O USE EXISTING HANDHOLE
- P USE EXISTING CONDUIT
- Q REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEAD AND NEW SIGN. RELOCATE SIGNS 20 AND 21 TO MAST ARM 'R'
- R INSTALL SIGNAL HEADS AND RELOCATED SIGNS (NOTE: INSTALL 1–2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND INTO EXISTING POLE FOUNDATION)
- S INSTALL TWO–4 CHANNEL LOOP DETECTOR AMPLIFIERS INTO EXISTING BASE MOUNTED CABINET
- T REMOVE EXISTING HANDHOLE
- U CAP AND ABANDON EXISTING CONDUIT
- V REMOVE EXISTING POLE, MAST ARMS AND SIGNAL HEADS. RELOCATE SIGNS AS SHOWN. DELIVER POLE AND MAST ARM TO SHA
- W USE EXISTING DETECTORS
- X REMOVE EXISTING R10–12 SIGN
- Y INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- Z INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
- AA REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEAD AND NEW SIGN
- BB INSTALL 24 IN. THERMOPLASTIC PAVEMENT MARKING

NOTES:

1. INSTALL PRESENCE LOOP DETECTORS 1 FT. BEHIND STOPLINES
2. INSTALL DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS
3. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT
4. WITH THE EXCEPTION OF THE WESTBOUND WAUGH CHAPEL ROAD DETECTORS, ALL EXISTING DETECTION SHALL BE DISCONNECTED AND ABANDONED
5. FOR THE EXACT LOCATION OF GROUND MOUNTED SIGNS OR PAVEMENT MARKINGS SEE PAVEMENT MARKING SHEETS

LOG MI. 02000303.96

TRAFFIC CONCEPTS, INC.
Brightview Business Center
8258 Veterans Highway
Suite 19A
Millersville, MD 21108
(410) 987–0427

REVISIONS	APPROVALS
(K) 7–23–99 REPLACE DETECTION AND REVISE SIGNAL DISPLAY DUE TO GEOMETRIC IMPROVEMENTS BW996M82 TMZ 12–15–97	ASSISTANT DIVISION CHIEF
J REPLACE CONDUIT, DETECTION AND WIRING DUE TO GEOMETRIC IMPROVEMENTS SHA NO. BW 759–802–512 TMZ	ASST. DISTRICT ENGINEER, TRAFFIC
H 10–16–95 RECONSTRUCTED SIGNAL TO MAST ARM CONFIGURATION TMZ DD SR DAZ	CHIEF, TRAFFIC ENG. DESIGN DIV.
	DIR., OFFICE OF TRAFFIC AND SAFETY

ORIGINAL ON FILE

MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN
MD 3 AND WAUGH CHAPEL ROAD

DATE:	5–3–78	DRAWN BY:	K.G.A.	F.A.P. NO.	
SCALE:	1"=30'	DESIGNED BY:	D. DODA	S.H.A. NO.	BW 996M82
APPROVED BY:		CHECKED BY:	D. ZAFIRIS	COUNTY	ANNE ARUNDEL

PLAN SHEET NO.: TS–1515K

SHEET NO. 1 OF 2